

APPENDIX
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```
15  DEFINE VARIABLE "bcv_groupid"
    TYPE STRING RETAINED
    DEFAULT ""
    END

20  DEFINE VARIABLE "cmd"
    TYPE STRING
    DEFAULT ""
    END

25  DEFINE VARIABLE "Command_Lock"
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

30  DEFINE VARIABLE "PAUSEIO_Lock"
    /* When PAUSEIO_Lock is set, nothing happens except PAUSEIO stuff! */
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

35  DEFINE VARIABLE GROUP "LocEstConf"
    /* This group is important in limiting the LocEstConf 1 pattern to one execution of */
    /* a particular set of commands. */
    TYPE STRING RETAINED
40  DEFAULT ""
    END

    DEFINE VARIABLE "Ignore_CmdPrompt"
    TYPE INTEGER RETAINED
45  DEFAULT 0
    END

    DEFINE VARIABLE GROUP "Routine_Queue"
    /* Routine queue is used whenever possible for logging or any time we are not */
50  /* concerned with how soon the command is performed such as with logging. */
    TYPE STRING RETAINED
    DEFAULT ""
    END

55  DEFINE VARIABLE GROUP "Priority_Queue"
    /* Priority queue is for all Remote Copy commands except RC Start and INSTANT SPLIT. */
    TYPE STRING RETAINED
    DEFAULT ""
    END
```

```
60  DEFINE VARIABLE GROUP "Immediate_Queue"
/* Immediate queue is for all RC Start commands only (see RC_Start 1). */
    TYPE STRING RETAINED
    DEFAULT ""
65  END

    DEFINE VARIABLE GROUP "Flash_Queue"
/* Flash is the highest precedence queue and is reserved for INSTANT SPLIT commands. */
    TYPE STRING RETAINED
70  DEFAULT ""
    END

    DEFINE VARIABLE GROUP "GroupNode"
    TYPE STRING RETAINED
75  DEFAULT ""
    END

    DEFINE VARIABLE "IX_pass"
    TYPE STRING RETAINED
80  DEFAULT "amsans pauserid DONE"
    END

    DEFINE VARIABLE "IX_stop_diskio"
    TYPE STRING RETAINED
85  DEFAULT "pauseio"
    END

    DEFINE VARIABLE GROUP "LocEstSent"
    TYPE STRING RETAINED
90  DEFAULT ""
    END

    DEFINE VARIABLE GROUP "LocSplitSent"
    TYPE STRING RETAINED
95  DEFAULT ""
    END

    DEFINE VARIABLE GROUP "LocVerifyEst"
    TYPE STRING RETAINED
100  DEFAULT ""
    END

    DEFINE VARIABLE "LogName"
    TYPE STRING RETAINED
105  DEFAULT "RemoteCopy"
    END
```

110 DEFINE VARIABLE "node"
 TYPE STRING RETAINED
 DEFAULT ""
 END

115 DEFINE VARIABLE GROUP "RC_In_Progress"
 TYPE STRING RETAINED
 DEFAULT ""
 END

120 DEFINE VARIABLE GROUP "RDFSplitSent"
 TYPE STRING RETAINED
 DEFAULT ""
 END

125 DEFINE VARIABLE GROUP "RDF_In_Progress"
 TYPE STRING RETAINED
 DEFAULT ""
 END

130 DEFINE VARIABLE GROUP "RemEstSent"
 TYPE STRING RETAINED
 DEFAULT ""
 END

135 DEFINE VARIABLE GROUP "RemSplitSent"
 TYPE STRING RETAINED
 DEFAULT ""
 END

140 DEFINE VARIABLE GROUP "RemVerifySplit"
 TYPE STRING RETAINED
 DEFAULT ""
 END

145 DEFINE VARIABLE "symm_host"
 TYPE STRING RETAINED
 DEFAULT "symm_nt"
 END

150 DEFINE VARIABLE "x"
 TYPE STRING
 DEFAULT ""
 END

155 DEFINE VARIABLE "y"
 TYPE STRING
 DEFAULT ""

END

/* Patterns for group "Activate_DB" */

160 DEFINE "Activate_DB" 1
MESSAGE "MI001: SP-AMS DATABASE <dbname> ACTIVATED BY <some means>."
/* --1---*--2---*--3---*--4---*--5---*6-*--7---*--8--- */
TYPE ANY-SENDER OTHER VARIABLE-LENGTH
PRIORITY 128
165 TOKEN KEYWORD 1 "MI001:"
TOKEN FIXED 2 "SP-AMS"
TOKEN FIXED 3 "DATABASE"
TOKEN FIXED 5 "ACTIVATED"
CREATE GroupNode:"GROUP1"
170 CREATE GroupNode:"GROUP2"
CREATE GroupNode:"GROUP3"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Activate_DB_1|T
EXT=_MESSAGE\
175 END

/* Patterns for group "CmdPrompt" */

180 DEFINE "CmdPrompt" 1
MESSAGE "internal or external command, operable program or batch file."
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "INTERNAL"
TOKEN FIXED 3 "EXTERNAL"
185 TOKEN FIXED 4 "COMMAND,"
TOKEN FIXED 5 "OPERABLE"
CONSTRAINT _HOSTID = "\symm_host"
SET Ignore_CmdPrompt = 1
ACTION EVENT-REPORT
190 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt_1|T
EXT=_IMAGE\
END

195 DEFINE "CmdPrompt" 2
/* The return of the command prompt to the telnet session of the symm NT signals */
/* the release of the lock on the SYMAPI database file. Queued commands are then */
/* sent to SYMCLI after setting the SPO Command_Lock. The SPO lock is freed only */
/* in this pattern. */
MESSAGE "?1\:\>"
200 /* --1--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN MASKED 1 "?1\:\>"

```
CONSTRAINT _HOSTID = "\symm_host\"
205 IF Ignore_CmdPrompt
    RESET Ignore_CmdPrompt
    ELSE
        IF !PAUSEIO_Lock
            IF ?Flash_Queue:_ALL > 0
210 /* ... then there is at least one command in the queue. */
/* We use a character that can never show up in a command to separate them so */
/* when we dump them all out we can extract one in this FIFO mechanism. The */
/* dump of "Flash_Queue:_ALL" then might look something like this: */
/* symmir -g GROUP3 verify_ symrdf -g GROUP2 -bcv split_ symmir -g GROUP1 verify_
215 */
/* Add an underscore character to the end of the command, remove spaces and */
/* delete it from the queue: */
    SET cmd = "\Flash_Queue:_ALL { } -1\"
    IF \cmd[1,2] = " "
220     SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\"
    DESTROY Flash_Queue:x
    ACTION COMMAND "\cmd\"
225 ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL { } -1\"
    IF \cmd[1,2] = " "
        SET cmd = "\cmd " " -1\"
    ENDIF
230 SET x = "\cmd\"
    DESTROY Immediate_Queue:x
    ACTION COMMAND "\cmd\"
    ELSEIF ?Priority_Queue:_ALL > 0
    SET cmd = "\Priority_Queue:_ALL { } -1\"
235 IF \cmd[1,2] = " "
        SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\"
    DESTROY Priority_Queue:x
240 ACTION COMMAND "\cmd\"
    ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL { } -1\"
    IF \cmd[1,2] = " "
        SET cmd = "\cmd " " -1\"
245 ENDIF
    SET x = "\cmd\"
    DESTROY Routine_Queue:x
    ACTION COMMAND "\cmd\"
    ELSE
250 /* Nothing on any of the queues to do, free the lock (we free it only in this pattern and not */
/* after message "internal or external command, operable program or batch file."): */
```

```
        RESET Command_Lock
    ENDIF
    ELSE
255      RESET Command_Lock
    ENDIF
  ENDIF
  ACTION EVENT-REPORT
  "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt_2|T
260  EXT=_IMAGE[1,2]\>"
  END

/* Patterns for group "ExecuteCmd" */

265  DEFINE "ExecuteCmd" 1
/* This pattern is used to control execution of commands from outside such as from the
console or for timed commands. */
/* Check the Command_Lock and perform the command if free, or place the command on
the <precedence>_Queue if not: */
270  MESSAGE "\*30\PROCESS <precedence> COMMAND: <command string>"
/*      --1---2---*--3---*---4--- */
  TYPE ANY-SENDER OTHER VARIABLE-LENGTH
  PRIORITY 128
  TOKEN MASKED 1 "\*30\PROCESS"
275  TOKEN KEYWORD 3 "COMMAND:"
  SET cmd = "\_MESSAGE " " 4\"
  SET x = "\cmd\"
  IF _TOKEN2 = "FLASH"
    CREATE Flash_Queue:x
280  ELSEIF _TOKEN2 = "IMMEDIATE"
    CREATE Immediate_Queue:x
  ELSEIF _TOKEN2 = "PRIORITY"
    CREATE Priority_Queue:x
  ELSEIF _TOKEN2 = "ROUTINE"
285  CREATE Routine_Queue:x
  ENDIF
  IF !Command_Lock & !PAUSEIO_Lock
    IF ?Flash_Queue:_ALL > 0
      SET cmd = "\Flash_Queue:_ALL {} -1\"
290  IF \cmd[1,2]\ = " "
      SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\"
    DESTROY Flash_Queue:x
295  SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
  ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL {} -1\"
    IF \cmd[1,2]\ = " "
```

```
300     SET cmd = "\cmd " "-1\"
        ENDIF
        SET x = "\cmd\"
        DESTROY Immediate_Queue:x
        SET Command_Lock = 1
305     ACTION COMMAND "\cmd\"
        ELSEIF ?Priority_Queue:_ALL > 0
        SET cmd = "\Priority_Queue:_ALL {} -1\"
        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " "-1\"
310        ENDIF
        SET x = "\cmd\"
        DESTROY Priority_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
315     ELSEIF ?Routine_Queue:_ALL > 0
        SET cmd = "\Routine_Queue:_ALL {} -1\"
        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " "-1\"
        ENDIF
320     SET x = "\cmd\"
        DESTROY Routine_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
        ENDIF
325     ENDIF
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ExecuteCmd_1|T
        EXT=_MESSAGE\"
        END
330
        /* Patterns for group "RC_Start" */

        DEFINE "RC_Start" 1
        MESSAGE "START REMOTE COPY DISKGROUP <bcv_groupid> NODE <node>"
335     /* --1--*--2--*--3--*--4--*--5--*--6--*--7-- */
        TYPE ANY-SENDER OTHER
        PRIORITY 128
        TOKEN KEYWORD 2 "REMOTE"
        TOKEN FIXED 4 "DISKGROUP"
340     TOKEN FIXED 3 "COPY"
        TOKEN FIXED 6 "NODE"
        CONSTRAINT _HOSTID = "\symm_host\"
        SET bcv_groupid = _TOKEN5
        SET node = _TOKEN7
345     SET x = "\bcv_groupid\\node\"
        IF ?GroupNode:x
            SET RC_In_Progress:bcv_groupid = "\_IMAGE {} -1\"
```

```
CREATE RemVerifySplit:bcv_groupid
SET x = "\\bcv_groupid\"
350 CREATE RemVerifySplit:x
SET cmd = "symmir -g \bcv_groupid\ -rdf -bcv -split verify"
SET x = "\cmd\"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Immediate_Queue:x
355 IF !Command_Lock & !PAUSEIO_Lock
IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL {} -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
360 ENDIF
SET x = "\cmd\"
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
365 ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL {} -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
ENDIF
370 SET x = "\cmd\"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Priority_Queue:_ALL > 0
375 SET cmd = "\Priority_Queue:_ALL {} -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
ENDIF
380 SET x = "\cmd\"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Routine_Queue:_ALL > 0
385 SET cmd = "\Routine_Queue:_ALL {} -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
ENDIF
390 SET x = "\cmd\"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ENDIF
ENDIF
ELSE
395 ACTION EVENT-REPORT \
```



```
"TYPE=AL|CLASS=Host|INSTANCE=\_IMAGE {} -
1\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Invalid_Diskgroup|" \
"ALARMQUAL=\bcv_groupid\_\_IMAGE {} -1\_DT {}"
2\|HELP=RemoteCopy/RC_Invalid_Diskgroup|TEXT=Remote Copy failed for " \
400 "diskgroup \bcv_groupid\ on host \_IMAGE {} -1\ Invalid diskgroup nodename
combination!"
ACTION EVENT-REPORT "TYPE=CO|CLASS=2200_Host|INSTANCE=\_IMAGE {} -
1\|COMMAND=REMOTE COPY FAILED \_IMAGE {} -3\"
ENDIF
405 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC_Start_1|TEX
T=\_MESSAGE\"
END

410 /* Patterns for group "RemNotSplit" */

DEFINE "RemNotSplit" 1
MESSAGE "Not all devices in group '<diskgroup>' are in the 'Split' state."
/* -1-*2-*3---4-*5---6-----7-*8-*9-*10---11-- */
415 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "NOT"
TOKEN FIXED 3 "DEVICES"
TOKEN FIXED 4 "IN"
420 TOKEN FIXED 5 "GROUP"
TOKEN FIXED 9 "THE"
TOKEN FIXED 10 "'SPLIT'"
CONSTRAINT _HOSTID = "\sympm_host\"
CONSTRAINT ?RemVerifySplit:_TOKEN6
425 SET bcv_groupid = "\_TOKEN6 {} 1\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE\"
ACTION EVENT-REPORT
430 "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
MESSAGE\"
435 SET x = RC_In_Progress:bcv_groupid
ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\_bcv_groupid\"
ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
440 ACTION EVENT-REPORT \

"TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Re
mNotSplit|HELP=RemoteCopy/RC_RemNotSplit|" \
```

```
445 "ALARMQUAL=\bcv_groupid\.\_DT { } 2\TEXT=Remote Copy failed for diskgroup
\bcv_groupid\ on host \x\ Remote BCV not" \
" split!"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit_1|T
EXT=\_MESSAGE\"
450 END

DEFINE "RemNotSplit" 2
MESSAGE "None of the devices in group '<diskgroup>' are in the 'Split' state."
/*      -1--*2-*3*---4---*5-*6---*7-----*8-*9-*10-*--11---*--12-- */
455 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "NONE"
TOKEN FIXED 3 "THE"
TOKEN FIXED 4 "DEVICES"
460 TOKEN FIXED 6 "GROUP"
TOKEN FIXED 11 "'SPLIT'"
TOKEN FIXED 12 "STATE."
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemVerifySplit:_TOKEN7
465 SET bcv_groupid = "\_TOKEN7 { } 1\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE\"
ACTION EVENT-REPORT
470 "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
MESSAGE\"
475 SET x = RC_In_Progress:bcv_groupid
ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid\"
ACTION COMMAND "CHECK VARS"
480 ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
ACTION EVENT-REPORT \

"TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Re
mNotSplit|HELP=RemoteCopy/RC_RemNotSplit\" \
485 "ALARMQUAL=\bcv_groupid\.\_DT { } 2\TEXT=Remote Copy failed for diskgroup
\bcv_groupid\ on host \x\ Remote BCV not" \
" split!"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit_2|T
490 EXT=\_MESSAGE\"
END
```

/* Patterns for group "RemSplitConf" */

```
495  DEFINE "RemSplitConf" 1
      MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
      /*      -1-*--2---*3-*--4-*-----5-----*6-*7-*8-*---9---*--10-- */
      TYPE ANY-SENDER OTHER
      PRIORITY 128
500  TOKEN KEYWORD 1 "ALL"
      TOKEN FIXED 3 "IN"
      TOKEN FIXED 4 "GROUP"
      TOKEN FIXED 8 "THE"
      CONSTRAINT _HOSTID = "\symm_host\"
505  CONSTRAINT ?RemVerifySplit:_TOKEN5
      DESTROY RemVerifySplit:_TOKEN5
      SET bcv_groupid = "\_TOKEN5 {} 1\"
      ACTION EVENT-REPORT
      "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
510  MESSAGE\"
      ACTION EVENT-REPORT
      "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
      MESSAGE\"
      ACTION EVENT-REPORT
515  "TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
      =\_MESSAGE\"
      DESTROY RemVerifySplit:bcv_groupid
      CREATE LocVerifyEst:_TOKEN5
      CREATE LocVerifyEst:bcv_groupid
520  ACTION EVENT-REPORT \
      "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
      LAST = Remote_Split_Confirmed_\bcv_groupid\"
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
525  containing the command: */
      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
      \bcv_groupid\ verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitConf_1|
530  TEXT=\_MESSAGE\"
      END
```

/* Patterns for group "LocNotEst" */

```
535  DEFINE "LocNotEst" 1
      MESSAGE "Not all devices in group '<diskgroup>' are in the 'Synchronized or Restored'
      state."
      /*      -1-*--2-*---3---*4-*--5-*-----6-----*7-*8-*9-*-----10-----*11*---12----*--13-- */
      TYPE ANY-SENDER OTHER
```

540 PRIORITY 128
TOKEN KEYWORD 1 "NOT"
TOKEN FIXED 3 "DEVICES"
TOKEN FIXED 5 "GROUP"
TOKEN FIXED 10 "SYNCHRONIZED"
545 TOKEN FIXED 13 "STATE."
CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?LocVerifyEst:_TOKEN6
SET bcv_groupid = "_TOKEN6 {} 1\
ACTION EVENT-REPORT
550 "TYPE=AC|CLASS=bcv_groupid_M2|INSTANCE=bcv_groupid|Status=red|Message=_M
ESSAGE\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=bcv_groupid_LL|INSTANCE=bcv_groupid|Status=red|Message=_ME
SSAGE\
555 ACTION EVENT-REPORT
"TYPE=AC|CLASS=bcv_groupid_LBCV|INSTANCE=bcv_groupid|Status=red|Message=_
MESSAGE\
SET x = RC_In_Progress:bcv_groupid
ACTION EVENT-REPORT
560 "TYPE=CO|CLASS=2200_Host|INSTANCE=x|COMMAND=REMOTE COPY FAILED
bcv_groupid\
ACTION COMMAND "CHECK VARS"
ACTION COMMAND "CLEAN UP bcv_groupid\ FAIL"
ACTION EVENT-REPORT \
565 "TYPE=AL|CLASS=Host|INSTANCE=x|APPL=RemoteCopy|SEV=major|ALARMID=RC_Lo
cNotEst|ALARMQUAL=bcv_groupid\.x\._DT {} 2|\
"HELP=RemoteCopy/RC_LocNotEst|TEXT=Remote Copy failed for diskgroup
bcv_groupid\ on host x\. Local BCV not " \
570 "synchronized!"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName|APPL=SPO|APPLQUAL=LocNotEst_1|TE
XT=_MESSAGE\
END
575
DEFINE "LocNotEst" 2
MESSAGE "None of the devices in group '<diskgroup>' are in the 'Synchronized or
Restored' state."
/* -1--*2-*3-*4---*5-*6--*-----7-----*8-*9*10-*-----11-----*12*---13----*--14-- */
580 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "NONE"
TOKEN FIXED 3 "THE"
TOKEN FIXED 4 "DEVICES"
585 TOKEN FIXED 11 "SYNCHRONIZED"
TOKEN FIXED 13 "RESTORED"
CONSTRAINT _HOSTID = "\symm_host\

```
CONSTRAINT ?LocVerifyEst:_TOKEN7
SET bcv_groupid = "_TOKEN7 {} 1\"
590 ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=red|Message=\_M
ESSAGE\"
ACTION EVENT-REPORT
595 "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
MESSAGE\"
SET x = RC_In_Progress:bcv_groupid
600 ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid\"
ACTION COMMAND "CHECK VARS"
ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
605 ACTION EVENT-REPORT \

"TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Lo
cNotEst|ALARMQUAL=\bcv_groupid\.\x\.\_DT { } 2\" \
"HELP=RemoteCopy/RC_LocNotEst|TEXT=Remote Copy failed for diskgroup
610 \bcv_groupid\ on host \x\. Local BCV not " \
"synchronized!"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocNotEst_2|TE
XT=\_MESSAGE\"
615 END

/* Patterns for group "LocEstConf" */

DEFINE "LocEstConf" 1
620 MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
state."
/* -1*---2---*3*--4*-----5-----*6*7-*8*-----9-----*10*---11----*--12-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
625 TOKEN KEYWORD 2 "DEVICES"
TOKEN FIXED 9 "'SYNCHRONIZED"
TOKEN FIXED 11 "'RESTORED"
CONSTRAINT _HOSTID = "\syymm_host\"
CONSTRAINT ?LocVerifyEst:_TOKEN5
630 SET bcv_groupid = "_TOKEN5 {} 1\"
IF !?LocEstConf:bcv_groupid
/* This path means we got here for the first time. */
ACTION EVENT-REPORT \
```

```
635 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
    LAST = Local_Establish_Confirmed_\bcv_groupid\"
    ACTION EVENT-REPORT
    "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
    MESSAGE\"
640    ACTION EVENT-REPORT
    "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
    MESSAGE\"
    ACTION EVENT-REPORT
    "TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
645 =\_MESSAGE\"
    CREATE LocEstConf:bcv_groupid
    ENDIF
    IF ?RDF_In_Progress:_ALL = 0 & !Command_Lock & !PAUSEIO_Lock
/* Then there are no RDF establish commands processing...okay to do the PAUSEIO: */
650    DESTROY LocEstConf:bcv_groupid
    SET PAUSEIO_Lock = 1
    DESTROY LocVerifyEst:_TOKEN5
    DESTROY LocVerifyEst:bcv_groupid
    SET y = "\RC_In_Progress:bcv_groupid\"
655    ACTION EVENT-REPORT
    "TYPE=CO|CLASS=2200_Host|INSTANCE=y\|COMMAND=\IX_stop_diskio\"
    ELSE
/* We have to wait to issue the PAUSEIO since there is an RDF establish in progress. */
/* We just sent this message (image) in so it can match again. */
660    ACTION COMMAND WAIT 1 SECONDS "\_IMAGE\"
    ENDIF
    ACTION EVENT-REPORT
    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstConf_1|T
    EXT=\_MESSAGE\"
665 END

/* Patterns for group "LocSplitSent" */

DEFINE "LocSplitSent" 1
670 MESSAGE "\*30\CREATE LocSplitSent <bcv_groupid> <local split command>"
/* ----1----*----2----*----3---- */
TYPE ANY-SENDER OTHER var
PRIORITY 128
TOKEN KEYWORD 2 "LOCSPLITSENT"
675 TOKEN MASKED 1 "\*30\CREATE"
CREATE LocSplitSent:_TOKEN3
SET x = "\_TOKEN3\"
CREATE LocSplitSent:x
SET bcv_groupid = "\_TOKEN3\"
680 SET cmd = "\_MESSAGE " " 4\"
```

```
/* This is a SPLIT command during the PAUSEIO critical period--make it Flash precedence.
*/
```

```
SET x = "\cmd\_ "
```

```
/* ... add an underscore character to the end of the command and place it on the queue: */
```

```
685 CREATE Flash_Queue:x
```

```
/* This pattern does not require a test of the locks since we cannot get here unless the */
```

```
/* PAUSEIO_Lock is set and the Command_Lock doesn't matter since we must have control
in */
```

```
/* this situation. */
```

```
690 IF ?Flash_Queue:_ALL > 0
```

```
SET cmd = "\Flash_Queue:_ALL { } -1\"
```

```
IF \cmd[1,2]\ = " "
```

```
SET cmd = "\cmd " " -1\"
```

```
ENDIF
```

```
695 SET x = "\cmd\_ "
```

```
DESTROY Flash_Queue:x
```

```
SET Command_Lock = 1
```

```
ACTION COMMAND "\cmd\"
```

```
ELSEIF ?Immediate_Queue:_ALL > 0
```

```
700 SET cmd = "\Immediate_Queue:_ALL { } -1\"
```

```
IF \cmd[1,2]\ = " "
```

```
SET cmd = "\cmd " " -1\"
```

```
ENDIF
```

```
705 SET x = "\cmd\_ "
```

```
DESTROY Immediate_Queue:x
```

```
SET Command_Lock = 1
```

```
ACTION COMMAND "\cmd\"
```

```
ELSEIF ?Priority_Queue:_ALL > 0
```

```
710 SET cmd = "\Priority_Queue:_ALL { } -1\"
```

```
IF \cmd[1,2]\ = " "
```

```
SET cmd = "\cmd " " -1\"
```

```
ENDIF
```

```
715 SET x = "\cmd\_ "
```

```
DESTROY Priority_Queue:x
```

```
SET Command_Lock = 1
```

```
ACTION COMMAND "\cmd\"
```

```
ELSEIF ?Routine_Queue:_ALL > 0
```

```
SET cmd = "\Routine_Queue:_ALL { } -1\"
```

```
IF \cmd[1,2]\ = " "
```

```
720 SET cmd = "\cmd " " -1\"
```

```
ENDIF
```

```
SET x = "\cmd\_ "
```

```
DESTROY Routine_Queue:x
```

```
SET Command_Lock = 1
```

```
725 ACTION COMMAND "\cmd\"
```

```
ENDIF
```

```
ACTION EVENT-REPORT
```

```
"TYPE=DE|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\"
```

```
730 ACTION WAIT 1 SECONDS EVENT-REPORT \
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\"
ACTION EVENT-REPORT
735 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_1|T
EXT=\_MESSAGE\"
END

/* Patterns for group "ResumeIO" */

740 DEFINE "ResumeIO" 1
MESSAGE "symmir <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
successfully.\"\"
/* --1---*-----2-----*-----3-----*-----4-----*--5--*--6---*-----7---*-----8----- */
TYPE ANY-SENDER OTHER
745 PRIORITY 128
TOKEN KEYWORD 1 "SYMMIR"
TOKEN FIXED 3 "CLI_C_SPLIT"
TOKEN FIXED 4 "CLI_C_SUCCESS"
TOKEN FIXED 5 "\"CLI\""
750 TOKEN FIXED 8 "SUCCESSFULLY.\"\"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?LocSplitSent:_TOKEN2
RESET PAUSEIO_Lock
ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\"
755 ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_MES
SAGE\"
SET x = "\RC_In_Progress:_TOKEN2\"
ACTION EVENT-REPORT
760 "TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=\IX_pass\"
SET cmd = "symmir -g \_TOKEN2\ -split verify"
SET x = "\cmd\_ "
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
765 IF !Command_Lock & !PAUSEIO_Lock
IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL { } -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
770 ENDIF
SET x = "\cmd\_ "
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
775 ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL { } -1\"
```



```

      IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
      ENDIF
780 SET x = "\cmd\_ "
      DESTROY Immediate_Queue:x
      SET Command_Lock = 1
      ACTION COMMAND "\cmd\"
    ELSEIF ?Priority_Queue:_ALL > 0
785 SET cmd = "\Priority_Queue:_ALL { } -1\"
      IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
      ENDIF
      SET x = "\cmd\_ "
790 DESTROY Priority_Queue:x
      SET Command_Lock = 1
      ACTION COMMAND "\cmd\"
    ELSEIF ?Routine_Queue:_ALL > 0
      SET cmd = "\Routine_Queue:_ALL { } -1\"
795 IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
      ENDIF
      SET x = "\cmd\_ "
      DESTROY Routine_Queue:x
800 SET Command_Lock = 1
      ACTION COMMAND "\cmd\"
    ENDIF
  ENDIF
  ACTION EVENT-REPORT
805 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ResumeIO_1|TEXT=\_MESSAGE\"
  END

/* Patterns for group "LocSplitSent" */
810
  DEFINE "LocSplitSent" 2
    MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SPLIT \"NONE of the
    mirrored pairs are in the 'Split' state.\"\"
    /*      --1---*-----2-----*-----3-----*-----4-----*--5---*6-*7-*--8----*--9--*10-*11*12-*--13---
815 *---14--- */
    TYPE ANY-SENDER OTHER
    PRIORITY 128
    TOKEN KEYWORD 3 "CLI_C_VERIFY"
    TOKEN FIXED 4 "CLI_C_NONE_SPLIT"
820 TOKEN FIXED 5 "\"NONE"
    TOKEN FIXED 13 "\"SPLIT"
    CONSTRAINT _HOSTID = "\symm_host\"
    CONSTRAINT ?LocSplitSent:_TOKEN2
    ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\"

```

```
825 ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=_TOKEN2\_LL|INSTANCE=_TOKEN2|Status=yellow|Message=_MES
SAGE\"
SET cmd = "symmir -g _TOKEN2\ -split verify"
SET x = "\cmd\_ "
830 /* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
IF !Command_Lock & !PAUSEIO_Lock
IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL { } -1\"
835 IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
ENDIF
SET x = "\cmd\_ "
DESTROY Flash_Queue:x
840 SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL { } -1\"
IF \cmd[1,2]\ = " "
845 SET cmd = "\cmd " " -1\"
ENDIF
SET x = "\cmd\_ "
DESTROY Immediate_Queue:x
SET Command_Lock = 1
850 ACTION COMMAND "\cmd\"
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL { } -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
855 ENDIF
SET x = "\cmd\_ "
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
860 ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL { } -1\"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\"
ENDIF
865 SET x = "\cmd\_ "
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ENDIF
870 ENDIF
```

ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_2|T
EXT=_MESSAGE\
END

875

DEFINE "LocSplitSent" 3
MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SPLIT \"NOT all of
the mirrored pairs are in the 'Split' state.\""

880

/* --1---*-----2-----*-----3-----*-----4-----*--5--*6-*7-*8-*---9----*10--*11-*12*13-*--
14---*---15--- */

885

TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_SPLIT"
TOKEN FIXED 5 "\"NOT"
TOKEN FIXED 9 "MIRRORED"
TOKEN FIXED 14 "'SPLIT'"

890

CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?LocSplitSent:_TOKEN2
ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_LL|INSTANCE=_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=_TOKEN2_LL|INSTANCE=_TOKEN2|Status=yellow|Message=_MES
SAGE\
SET cmd = "symmir -g _TOKEN2\ -split verify"

895

SET x = "\cmd\
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
IF !Command_Lock & !PAUSEIO_Lock

900

IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL { } -1\
IF \cmd[1,2] = " "
SET cmd = "\cmd " " -1\
ENDIF
SET x = "\cmd\
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL { } -1\
IF \cmd[1,2] = " "
SET cmd = "\cmd " " -1\
ENDIF
SET x = "\cmd\
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL { } -1"

915

```

920     IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\_ "
    DESTROY Priority_Queue:x
    SET Command_Lock = 1
925     ACTION COMMAND "\cmd\"
    ELSEIF ?Routine_Queue:_ALL > 0
        SET cmd = "\Routine_Queue:_ALL { } -1\"
        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
930        ENDIF
        SET x = "\cmd\_ "
        DESTROY Routine_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
935    ENDIF
    ENDIF
    ACTION EVENT-REPORT
    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_3|T
    EXT=_MESSAGE\"
940    END

/* Patterns for group "LocSplitConf" */

DEFINE "LocSplitConf" 1
945    MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
/*      -1-*--2---*3-*--4--*-----5-----*6-*7-*8-*---9---*--10-- */
    TYPE ANY-SENDER OTHER
    PRIORITY 128
    TOKEN KEYWORD 1 "ALL"
950    TOKEN FIXED 2 "DEVICES"
    TOKEN FIXED 9 "'SPLIT'"
    TOKEN FIXED 10 "STATE."
    CONSTRAINT _HOSTID = "\symm_host\"
    CONSTRAINT ?LocSplitSent:_TOKEN5
955    DESTROY LocSplitSent:_TOKEN5
    SET bcv_groupid = "\_TOKEN5 { } 1\"
    ACTION EVENT-REPORT \

    "TYPE=CO|CLASS=2200_Host||INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
960    LAST = Local_Split_Confirmed\_bcv_groupid\"
    ACTION EVENT-REPORT
    "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=yellow|Message=_
    MESSAGE\"
    ACTION EVENT-REPORT
965    "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=yellow|Message=_
    MESSAGE\"
```

```

ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
=\_MESSAGE\"
970  DESTROY LocSplitSent:bcv_groupid
      CREATE RDF_In_Progress:_TOKEN5
      CREATE RDF_In_Progress:bcv_groupid
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
975  ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\bcv_groupid\ -bcv -noecho -noprompt establish"
      ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
980  LAST = RDF_Establish_Sent_\bcv_groupid\"
      ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\"
      ACTION WAIT 1 SECONDS EVENT-REPORT \

985  "TYPE=AC|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
=\_MESSAGE\"
      ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitConf_1|T
EXT=\_MESSAGE\"
990  END

/* Patterns for group "RDF_InProg" */

DEFINE "RDF_InProg" 1
995  MESSAGE "symrdf <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
completed successfully.\"\"
/* --1---*-----2-----*-----3-----*-----4-----*-----5---*-----6---*-----7-----8----- */
      TYPE ANY-SENDER OTHER
      PRIORITY 128
1000  TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
      TOKEN FIXED 4 "CLI_C_SUCCESS"
      TOKEN FIXED 5 "\"CLI"
      TOKEN FIXED 8 "SUCCESSFULLY.\"\"
      CONSTRAINT _HOSTID = "\symm_host\"
1005  CONSTRAINT ?RDF_In_Progress:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\"
      ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
1010  AST = RDF_Establish_In_Progress_\bcv_groupid\"
      ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"

```

```
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2|Status=green|Message=\_M
1015 ESSAGE\"
    SET cmd = "symrdf -g \_TOKEN2\ -bcv verify"
    SET x = "\cmd\"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
1020 IF !Command_Lock & !PAUSEIO_Lock
    IF ?Flash_Queue:_ALL > 0
        SET cmd = "\Flash_Queue:_ALL {} -1\"
        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
1025     ENDIF
    SET x = "\cmd\"
    DESTROY Flash_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
1030 ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL {} -1\"
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
    ENDIF
1035 SET x = "\cmd\"
    DESTROY Immediate_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
1040 ELSEIF ?Priority_Queue:_ALL > 0
    SET cmd = "\Priority_Queue:_ALL {} -1\"
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
    ENDIF
1045 SET x = "\cmd\"
    DESTROY Priority_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
1050 ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL {} -1\"
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
    ENDIF
1055 SET x = "\cmd\"
    DESTROY Routine_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
    ENDIF
ENDIF
```

```
1060 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_1|T
EXT=\_MESSAGE\
END

1065 DEFINE "RDF_InProg" 2
MESSAGE \
    "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SYNCHRONIZED \"NONE of the
mirrored pairs are in the 'Synchronized' " \
    /* --1---*-----2-----*-----3-----*-----4-----*--5---*6-*7-*--8---*--9-*10-*11*12-*-----
13-----* */ \
1070 "state.\"
/* ---14--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
1075 TOKEN FIXED 4 "CLI_C_NONE_SYNCHRONIZED"
TOKEN FIXED 5 "\"NONE"
TOKEN FIXED 13 "\"SYNCHRONIZED"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RDF_In_Progress:_TOKEN2
1080 SET bcv_groupid = "\_TOKEN2\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
ACTION WAIT 1 SECONDS EVENT-REPORT
1085 "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2|Status=green|Message=\_M
ESSAGE\
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\_TOKEN2\ -bcv verify"
1090 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_2|T
EXT=\_MESSAGE\
END

1095 DEFINE "RDF_InProg" 3
MESSAGE \
    "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SYNCHRONIZED \"NOT all of
the mirrored pairs are in the 'Synchronized'" \
    /* --1---*-----2-----*-----3-----*-----4-----*--5---*6-*7-*--8---*--9---*10-*11-*12*13-*
1100 -----14----- */ \
    "state.\"
/* *---15--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1105 TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_SYNCHRONIZED"
```

```
1110  TOKEN FIXED 5 "\"NOT"
      TOKEN FIXED 14 "\"SYNCHRONIZED"
      CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?RDF_In_Progress:_TOKEN2
      SET bcv_groupid = "\"_TOKEN2\"
      ACTION EVENT-REPORT
      "TYPE=DE|CLASS=_TOKEN2\_RDFL|INSTANCE=_TOKEN2\"
      ACTION WAIT 1 SECONDS EVENT-REPORT
1115  "TYPE=AC|CLASS=_TOKEN2\_RDFL|INSTANCE=_TOKEN2|Status=green|Message=_M
      ESSAGE\"
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
      containing the command: */
      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1120  \_TOKEN2\ -bcv verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_3|T
      EXT=_MESSAGE\"
      END
1125  DEFINE "RDF_InProg" 4
      MESSAGE \
      "SYMRDF <bcv_groupid> CLI_C_ESTABLISH CLI_C_ALREADY_IN_STATE \"The
      Device(s) is (are) already in the desired state or mode.\""
1130  TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
      TOKEN FIXED 4 "CLI_C_ALREADY_IN_STATE"
      TOKEN FIXED 9 "ALREADY"
1135  TOKEN FIXED 13 "STATE"
      CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?RDF_In_Progress:_TOKEN2
      SET bcv_groupid = "\"_TOKEN2\"
      ACTION EVENT-REPORT
1140  "TYPE=DE|CLASS=_TOKEN2\_RDFL|INSTANCE=_TOKEN2\"
      ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=_TOKEN2\_RDFL|INSTANCE=_TOKEN2|Status=green|Message=_M
      ESSAGE\"
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
      containing the command: */
1145  ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
      \_TOKEN2\ -bcv verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_4|T
1150  EXT=_MESSAGE\"
      END

      /* Patterns for group "RDF_Est" */
```


1155 DEFINE "RDF_Est" 1
MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Synchronized' state."
/* -1*---2---*3-*4-*5*--6---*-----7-----*8-*9-*10*-----11-----*--12-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1160 TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 5 "RDF"
TOKEN FIXED 6 "GROUP"
TOKEN FIXED 11 ""SYNCHRONIZED""
1165 CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?RDF_In_Progress:_TOKEN7
DESTROY RDF_In_Progress:_TOKEN7
SET bcv_groupid = "_TOKEN7 {} 1\
ACTION EVENT-REPORT \
1170 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = RDF_All_Synchronized_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
1175 =_MESSAGE\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
=_MESSAGE\
ACTION EVENT-REPORT
1180 "TYPE=AC|CLASS=\bcv_groupid_R2|INSTANCE=\bcv_groupid\|Status=green|Message=_
MESSAGE\
DESTROY RDF_In_Progress:bcv_groupid
CREATE RDFSplitSent:_TOKEN7
CREATE RDFSplitSent:bcv_groupid
1185 /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\bcv_groupid\ -bcv -noprompt -noecho split"
ACTION EVENT-REPORT \
1190 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = RDF_Split_Sent_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid\
1195 ACTION WAIT 1 SECONDS EVENT-REPORT \
"TYPE=AC|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE\
ACTION EVENT-REPORT
1200 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_Est_1|TEX
T=_MESSAGE\
END

```
/* Patterns for group "RDFSplitSent" */
1205 DEFINE "RDFSplitSent" 1
    MESSAGE "symrdf <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
    successfully.\"\"
    /* --1---*-----2-----*-----3-----*-----4-----*--5--*6--*-----7---*-----8----- */
1210 TYPE ANY-SENDER OTHER
    PRIORITY 128
    TOKEN KEYWORD 3 "CLI_C_SPLIT"
    TOKEN FIXED 4 "CLI_C_SUCCESS"
    TOKEN FIXED 5 "\"CLI"
1215 TOKEN FIXED 8 "SUCCESSFULLY.\"\"
    CONSTRAINT _HOSTID = "\symm_host\"
    CONSTRAINT ?RDFSplitSent:_TOKEN2
    SET bcv_groupid = "\_TOKEN2\"
    ACTION EVENT-REPORT \
1220 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2|COMMAND=RCL
    AST = RDF_Split_In_Progress_\bcv_groupid\"
    ACTION EVENT-REPORT
    "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
1225 ACTION WAIT 1 SECONDS EVENT-REPORT
    "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2|Status=yellow|Message=\_
    MESSAGE\"
    SET cmd = "symrdf -g \_TOKEN2\ -bcv -failedover verify"
    SET x = "\cmd\"
1230 /* ... add an underscore character to the end of the command and place it on the queue: */
    CREATE Priority_Queue:x
    IF !Command_Lock & !PAUSEIO_Lock
        IF ?Flash_Queue:_ALL > 0
            SET cmd = "\Flash_Queue:_ALL { } -1\"
1235 IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " " -1\"
            ENDIF
            SET x = "\cmd\"
            DESTROY Flash_Queue:x
1240 SET Command_Lock = 1
            ACTION COMMAND "\cmd\"
        ELSEIF ?Immediate_Queue:_ALL > 0
            SET cmd = "\Immediate_Queue:_ALL { } -1\"
            IF \cmd[1,2]\ = " "
1245 SET cmd = "\cmd " " -1\"
            ENDIF
            SET x = "\cmd\"
            DESTROY Immediate_Queue:x
            SET Command_Lock = 1
1250 ACTION COMMAND "\cmd\"
```

```
ELSEIF ?Priority_Queue:_ALL > 0
  SET cmd = "\Priority_Queue:_ALL {} -1\"
  IF \cmd[1,2]\ = " "
    SET cmd = "\cmd " " -1\"
1255  ENDIF
    SET x = "\cmd\_ "
    DESTROY Priority_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
1260 ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL {} -1\"
    IF \cmd[1,2]\ = " "
      SET cmd = "\cmd " " -1\"
    ENDIF
1265    SET x = "\cmd\_ "
    DESTROY Routine_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
    ENDIF
1270  ENDIF
  ACTION EVENT-REPORT
  "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_1|
  TEXT=\_MESSAGE\"
  END
1275  DEFINE "RDFSplitSent" 2
    MESSAGE \
      "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_FAILED_OVER \"NONE of the
      mirrored pairs are in the 'Failed Over' " \
1280  /* --1---*-----2-----*-----3-----*-----4-----*---5---*6-*7-*---8---*---9---*10-*11*12-*--13---
      *-14-* */ \
      "state.\"\"
      /* ---15--- */
    TYPE ANY-SENDER OTHER
1285  PRIORITY 128
    TOKEN KEYWORD 3 "CLI_C_VERIFY"
    TOKEN FIXED 4 "CLI_C_NONE_FAILED_OVER"
    TOKEN FIXED 5 "\"NONE"
    TOKEN FIXED 13 "'FAILED"
1290  TOKEN FIXED 14 "OVER"
    CONSTRAINT _HOSTID = "\symm_host\"
    CONSTRAINT ?RDFSplitSent:_TOKEN2
    SET bcv_groupid = "\_TOKEN2\"
    ACTION EVENT-REPORT
1295  "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
    ACTION WAIT 1 SECONDS EVENT-REPORT
    "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_
    MESSAGE\"
```

```
1300 /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\_TOKEN2\ -bcv -failedover verify"
ACTION EVENT-REPORT
1305 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_2|
TEXT=\_MESSAGE\"
END

DEFINE "RDFSplitSent" 3
MESSAGE \
1310 "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_FAILED_OVER \"NOT all of
the mirrored pairs are in the 'Failed Over' \" \
/* --1---*-----2-----*-----3-----*-----4-----*-----5---*6-*7-*8-*9---*10-*11-*12*13*--
14---*15--* */ \
"state.\""
1315 /* ---16--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_FAILED_OVER"
1320 TOKEN FIXED 5 "\"NOT"
TOKEN FIXED 9 "MIRRORED"
TOKEN FIXED 14 "FAILED"
TOKEN FIXED 15 "OVER"
CONSTRAINT _HOSTID = "\symm_host\"
1325 CONSTRAINT ?RDFSplitSent:_TOKEN2
SET bcv_groupid = "\_TOKEN2\"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\"
ACTION WAIT 1 SECONDS EVENT-REPORT
1330 "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2|Status=yellow|Message=\_
MESSAGE\"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1335 \_TOKEN2\ -bcv -failedover verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_3|
TEXT=\_MESSAGE\"
END
1340

/* Patterns for group "RDFSplitConf" */

DEFINE "RDFSplitConf" 1
MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Failed Over' state."
1345 /* -1*---2---*3-*4*5*6---*7-----*8*9*10*---11---*12---*13-- */
TYPE ANY-SENDER OTHER
```

PRIORITY 128
TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
1350 TOKEN FIXED 5 "RDF"
TOKEN FIXED 6 "GROUP"
TOKEN FIXED 11 "FAILED"
TOKEN FIXED 12 "OVER"
CONSTRAINT _HOSTID = "\symm_host\
1355 CONSTRAINT ?RDFSplitSent:_TOKEN7
DESTROY RDFSplitSent:_TOKEN7
SET bcv_groupid = "_TOKEN7 {} 1\
ACTION EVENT-REPORT \

1360 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid|COMMAND=RC
LAST = RDF_All_Failed_Over_bcv_groupid\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_LBCV|INSTANCE=\bcv_groupid|Status=yellow|Message
=_MESSAGE\
1365 ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_RDFL|INSTANCE=\bcv_groupid|Status=yellow|Message
=_MESSAGE\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid_R2|INSTANCE=\bcv_groupid|Status=yellow|Message=_
1370 MESSAGE\
DESTROY RDFSplitSent:bcv_groupid
CREATE LocEstSent:_TOKEN7
CREATE LocEstSent:bcv_groupid
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1375 containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\bcv_groupid\ -noprompt establish"
ACTION EVENT-REPORT \

1380 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid|COMMAND=RC
LAST = Local_BCV_Establish_Sent_bcv_groupid\
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid"
1385 ACTION WAIT 1 SECONDS EVENT-REPORT \

"TYPE=AC|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid|Status=green|Message=_
MESSAGE\
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitConf_1|
1390 TEXT=_MESSAGE\
END

/* Patterns for group "LocEstSent" */

1395 DEFINE "LocEstSent" 1
MESSAGE "symmir <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
completed successfully.\""
/* --1---*-----2-----*-----3-----*-----4-----*--5-*--6---*---7---*-----8----- */
TYPE ANY-SENDER OTHER
1400 PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
TOKEN FIXED 4 "CLI_C_SUCCESS"
TOKEN FIXED 5 "\"CLI"
TOKEN FIXED 8 "SUCCESSFULLY.\""
1405 CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?LocEstSent:_TOKEN2
SET bcv_groupid = "_TOKEN2\
ACTION EVENT-REPORT \

1410 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
AST = Local_BCV_Establish_In_Progress_\bcv_groupid\
ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_LL|INSTANCE=_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=_TOKEN2_LL|INSTANCE=_TOKEN2\|Status=green|Message=_MES
1415 SAGE\
SET cmd = "symmir -g _TOKEN2\ verify"
SET x = "\cmd\
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
1420 IF !Command_Lock & !PAUSEIO_Lock
IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL { } -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\
1425 ENDIF
SET x = "\cmd\
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
1430 ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL { } -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\
ENDIF
1435 SET x = "\cmd\
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Priority_Queue:_ALL > 0
1440 SET cmd = "\Priority_Queue:_ALL { } -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\

```

    ENDIF
    SET x = "\cmd\_ "
1445  DESTROY Priority_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
    ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL { } -1\"
1450  IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\_ "
    DESTROY Routine_Queue:x
1455  SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
    ENDIF
    ENDIF
    ACTION EVENT-REPORT
1460 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_1|T
    EXT=\_MESSAGE\"
    END

    DEFINE "LocEstSent" 2
1465  MESSAGE "Not all devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
    state."
    /* -1-*2*---3---*4*--5--*-----6-----*7-*8*-9*-----10-----*11*---12----*--13-- */
    TYPE ANY-SENDER OTHER
    PRIORITY 128
1470  TOKEN KEYWORD 1 "NOT"
    TOKEN FIXED 2 "ALL"
    TOKEN FIXED 3 "DEVICES"
    TOKEN FIXED 10 "SYNCHRONIZED"
    TOKEN FIXED 12 "RESTORED"
1475  CONSTRAINT _HOSTID = "\symm_host\"
    CONSTRAINT ?LocEstSent:_TOKEN6
    SET bcv_groupid = "\_TOKEN6 {} 1\"
    ACTION EVENT-REPORT
1480 "TYPE=DE|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\"
    ACTION WAIT 1 SECONDS EVENT-REPORT \

    "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
    MESSAGE\"
    /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1485  containing the command: */
    ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
    \bcv_groupid\ verify"
    ACTION EVENT-REPORT
    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_2|T
1490  EXT=\_MESSAGE\"

```

END

DEFINE "LocEstSent" 3

MESSAGE "None of the devices in group '<bcv_groupid>' are in the 'Synchronized or
1495 Restored' state."

/* -1--*2-*3-*4---*5-*6---*7-----*8-*9-*10-*-----11-----*12*---13----*--14-- */

TYPE ANY-SENDER OTHER

PRIORITY 128

TOKEN KEYWORD 1 "NONE"

1500 TOKEN FIXED 3 "THE"

TOKEN FIXED 4 "DEVICES"

TOKEN FIXED 6 "GROUP"

TOKEN FIXED 11 ""SYNCHRONIZED"

TOKEN FIXED 14 "STATE."

1505 CONSTRAINT _HOSTID = "\symm_host\"

CONSTRAINT ?LocEstSent:_TOKEN7

SET bcv_groupid = "_TOKEN7 {} 1\"

ACTION EVENT-REPORT

"TYPE=DE|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid\"

1510 ACTION WAIT 1 SECONDS EVENT-REPORT \

"TYPE=AC|CLASS=\bcv_groupid_LL|INSTANCE=\bcv_groupid\|Status=green|Message=_
MESSAGE"

1515 /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */

ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\bcv_groupid\ verify"

ACTION EVENT-REPORT

1520 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_3|T
EXT=_MESSAGE"

END

/* Patterns for group "LocalEstConf" */

1525 DEFINE "LocalEstConf" 1

MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
state."

/* -1-*2---*3-*4-*-----*5-----*6-*7-*8-*-----*9-----*10*---11----*--12-- */

TYPE ANY-SENDER OTHER

1530 PRIORITY 128

TOKEN KEYWORD 1 "ALL"

TOKEN FIXED 2 "DEVICES"

TOKEN FIXED 4 "GROUP"

TOKEN FIXED 9 ""SYNCHRONIZED"

1535 TOKEN FIXED 11 "RESTORED"

CONSTRAINT _HOSTID = "\symm_host\"

CONSTRAINT ?LocEstSent:_TOKEN5

DESTROY LocEstSent:_TOKEN5


```
1540 SET bcv_groupid = "\_TOKEN5 {} 1\"
    ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Local_BCV_All_Synchronized\_bcv_groupid\"
    ACTION EVENT-REPORT
1545 "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE\"
    ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE\"
1550 ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
=\_MESSAGE\"
    DESTROY LocEstSent:bcv_groupid
    CREATE RemEstSent:_TOKEN5
1555 CREATE RemEstSent:bcv_groupid
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
    ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\bcv_groupid\ -bcv -rdf -noprompt establish"
1560 ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_BCV_Establish_Sent\_bcv_groupid\"
    ACTION EVENT-REPORT
1565 "TYPE=DE|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\"
    ACTION WAIT 1 SECONDS EVENT-REPORT \

"TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE\"
1570 ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocalEstConf_1|
TEXT=\_MESSAGE\"
END

1575 /* Patterns for group "Rem_BCV_Est" */

DEFINE "Rem_BCV_Est" 1
    MESSAGE "symmir <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
completed successfully.\"\"
1580 /* --1---*-----2-----*-----3-----*-----4-----*--5--*--6--*-----7---*-----8----- */
    TYPE ANY-SENDER OTHER
    PRIORITY 128
    TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
    TOKEN FIXED 4 "CLI_C_SUCCESS"
1585 TOKEN FIXED 5 "\"CLI"
    TOKEN FIXED 8 "SUCCESSFULLY.\"\""
```

```
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemEstSent:_TOKEN2
SET bcv_groupid = "\_TOKEN2\"
1590 ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2|COMMAND=RCL
AST = Remote_BCV_Establish_In_Progress_" \
  "\bcv_groupid\"
1595 ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2|Status=green|Message=\_MES
SAGE\"
SET cmd = "symmir -g \_TOKEN2\ -bcv -rdf verify"
1600 SET x = "\cmd\"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
IF !Command_Lock & !PAUSEIO_Lock
  IF ?Flash_Queue:_ALL > 0
    1605 SET cmd = "\Flash_Queue:_ALL { } -1\"
    IF \cmd[1,2]\ = " "
      SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\"
    1610 DESTROY Flash_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
  ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL { } -1\"
    1615 IF \cmd[1,2]\ = " "
      SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\"
    DESTROY Immediate_Queue:x
    1620 SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
  ELSEIF ?Priority_Queue:_ALL > 0
    SET cmd = "\Priority_Queue:_ALL { } -1\"
    IF \cmd[1,2]\ = " "
    1625 SET cmd = "\cmd " " -1\"
    ENDIF
    SET x = "\cmd\"
    DESTROY Priority_Queue:x
    SET Command_Lock = 1
    1630 ACTION COMMAND "\cmd\"
  ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL { } -1\"
    IF \cmd[1,2]\ = " "
      SET cmd = "\cmd " " -1\"
```

```
1635     ENDIF
        SET x = "\cmd\ "
        DESTROY Routine_Queue:x
        SET Command_Lock = 1
        ACTION COMMAND "\cmd\"
1640     ENDIF
        ENDIF
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
1645     1|TEXT=\_MESSAGE\"
        END

        DEFINE "Rem_BCV_Est" 2
        MESSAGE \
        "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SYNCHRONIZED \"NONE of the
1650     mirrored pairs are in the 'Synchronized' " \
        /* --1---*-----2-----*-----3-----*-----4-----*--5---*6-*7-*---8----*--9--*10-*11*12-*-----
        13-----* */ \
        "state.\"
        /* ---14--- */
1655     TYPE ANY-SENDER OTHER
        PRIORITY 128
        TOKEN KEYWORD 3 "CLI_C_VERIFY"
        TOKEN FIXED 4 "CLI_C_NONE_SYNCHRONIZED"
        TOKEN FIXED 5 "\"NONE"
1660     TOKEN FIXED 13 "\"SYNCHRONIZED"
        CONSTRAINT _HOSTID = "\symm_host\"
        CONSTRAINT ?RemEstSent:_TOKEN2
        SET bcv_groupid = "\_TOKEN2\"
        ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"
1665     ACTION WAIT 1 SECONDS EVENT-REPORT
        "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2|Status=green|Message=\_MES
        SAGE\"
        /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
        containing the command: */
1670     ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
        \_TOKEN2\ -bcv -rdf verify"
        ACTION EVENT-REPORT
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
1675     2|TEXT=\_MESSAGE\"
        END

        DEFINE "Rem_BCV_Est" 3
        MESSAGE \
        "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SYNCHRONIZED \"NOT all of
1680     the mirrored pairs are in the 'Synchronized' " \
        /* --1---*-----2-----*-----3-----*-----4-----*--5---*6-*7-*8-*---9----*10--*11-*12*13-*
        -----14----- */ \
```

```
" state.\"
/* *---15--- */
1685 TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NOT_ALL_SYNCHRONIZED"
      TOKEN FIXED 14 "SYNCHRONIZED"
1690 CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?RemEstSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\"
      ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2\_RL|INSTANCE=_TOKEN2\"
      ACTION WAIT 1 SECONDS EVENT-REPORT
1695 "TYPE=AC|CLASS=_TOKEN2\_RL|INSTANCE=_TOKEN2\|Status=green|Message=_MES
      SAGE\"
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
      containing the command: */
      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
1700 \_TOKEN2\ -bcv -rdf verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
      3|TEXT=_MESSAGE\"
      END
1705
      DEFINE "Rem_BCV_Est" 4
      MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
      state."
      /* -1*---2---*3-*4-*-----5-----*6-*7-*8-*-----9-----*10*---11----*-12-- */
1710 TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 1 "ALL"
      TOKEN FIXED 2 "DEVICES"
      TOKEN FIXED 9 "SYNCHRONIZED"
1715 TOKEN FIXED 10 "OR"
      TOKEN FIXED 11 "RESTORED"
      CONSTRAINT _HOSTID = "\symm_host\"
      CONSTRAINT ?RemEstSent:_TOKEN5
      DESTROY RemEstSent:_TOKEN5
1720 SET bcv_groupid = "\_TOKEN5 {} 1\"
      ACTION EVENT-REPORT \

      "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
      LAST = Remote_BCV_All_Synchronized\_bcv_groupid\"
1725 ACTION EVENT-REPORT
      "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=green|Message=_
      MESSAGE\"
      ACTION EVENT-REPORT
      "TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=green|Message=_
1730 MESSAGE\"
```

```

ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=green|Message
=\_MESSAGE\"
DESTROY RemEstSent:bcv_groupid
1735 CREATE RemSplitSent:bcv_groupid
CREATE RemSplitSent:_TOKEN5
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
1740 \bcv_groupid\ -bcv -rdf -noprompt split"
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_BCV_Split_Sent_\bcv_groupid\"
1745 ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\"
ACTION WAIT 1 SECONDS EVENT-REPORT \

"TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
1750 MESSAGE\"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
4|TEXT=\_MESSAGE\"
END
1755
/* Patterns for group "RemSplitSent" */

DEFINE "RemSplitSent" 1
MESSAGE "symmir <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
1760 successfully.\"\"
/* --1---*-----2-----*-----3-----*-----4-----*--5--*--6--*-----7---*-----8----- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_SPLIT"
1765 TOKEN FIXED 4 "CLI_C_SUCCESS"
TOKEN FIXED 5 "\"CLI"
TOKEN FIXED 8 "SUCCESSFULLY.\"\"
CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemSplitSent:_TOKEN2
1770 SET bcv_groupid = "\_TOKEN2\"
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_BCV_Split_In_Progress_" \
1775 "\bcv_groupid\"
ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\"

```

ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=__TOKEN2_RL|INSTANCE=__TOKEN2\|Status=yellow|Message=_\MESSAGE\|"

1780 SET cmd = "symmir -g __TOKEN2_bcv -rdf -split verify"
SET x = "\cmd_"

/* ... add an underscore character to the end of the command and place it on the queue: */

CREATE Priority_Queue:x

IF !Command_Lock & !PAUSE|O_Lock

1785 IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL { } -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\
ENDIF

1790 SET x = "\cmd_"
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Immediate_Queue:_ALL > 0

1795 SET cmd = "\Immediate_Queue:_ALL { } -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\
ENDIF

1800 SET x = "\cmd_"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Priority_Queue:_ALL > 0

1805 SET cmd = "\Priority_Queue:_ALL { } -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\
ENDIF

1810 SET x = "\cmd_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Routine_Queue:_ALL > 0

1815 SET cmd = "\Routine_Queue:_ALL { } -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd " " -1\
ENDIF

1820 SET x = "\cmd_"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ENDIF

ENDIF

ENDIF

ACTION EVENT-REPORT

1825 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_1|
TEXT=_MESSAGE\
END

DEFINE "RemSplitSent" 2

1830 MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SPLIT \"NONE of the
mirrored pairs are in the 'Split' state.\""

/* --1---*-----2-----*-----3-----*-----4-----*-----5---*6-*7-*8---*9--*10-*11*12-*--13---
*---14--- */

TYPE ANY-SENDER OTHER

PRIORITY 128

1835 TOKEN KEYWORD 3 "CLI_C_VERIFY"

TOKEN FIXED 4 "CLI_C_NONE_SPLIT"

TOKEN FIXED 5 "\"NONE"

TOKEN FIXED 13 "'SPLIT'"

CONSTRAINT _HOSTID = "\symm_host\
1840 CONSTRAINT ?RemSplitSent:_TOKEN2

SET bcv_groupid = "_TOKEN2"

ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_RL|INSTANCE=_TOKEN2"

ACTION WAIT 1 SECONDS EVENT-REPORT

1845 "TYPE=AC|CLASS=_TOKEN2_RL|INSTANCE=_TOKEN2|Status=yellow|Message=_ME
SSAGE"

/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */

ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
_TOKEN2\ -bcv -rdf -split verify"

1850 ACTION EVENT-REPORT

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_2|

TEXT=_MESSAGE"

END

1855 DEFINE "RemSplitSent" 3

MESSAGE "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SPLIT \"NOT all of
the mirrored pairs are in the 'Split' state.\""

/* --1---*-----2-----*-----3-----*-----4-----*-----5---*6-*7-*8---*9---*10--*11-*12*13-*--
14---*---15--- */

1860 TYPE ANY-SENDER OTHER

PRIORITY 128

TOKEN KEYWORD 3 "CLI_C_VERIFY"

TOKEN FIXED 4 "CLI_C_NOT_ALL_SPLIT"

TOKEN FIXED 5 "\"NOT"

1865 TOKEN FIXED 9 "MIRRORED"

TOKEN FIXED 14 "'SPLIT'"

CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?RemSplitSent:_TOKEN2

SET bcv_groupid = "_TOKEN2"

1870 ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2_RL|INSTANCE=_TOKEN2"

```

ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=_TOKEN2\_RL|INSTANCE=_TOKEN2|Status=yellow|Message=_MESSAGE\"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
1875 containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\_TOKEN2\ -bcv -rdf -split verify"
ACTION EVENT-REPORT
1880 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent_3|
TEXT=_MESSAGE\"
END

/* Patterns for group "RemSplitDone" */

1885 DEFINE "RemSplitDone" 1
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
/* -1-*--2---*3-*--4-*-----5-----*6-*7-*8-*---9---*--10-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1890 TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 4 "GROUP"
TOKEN FIXED 8 "THE"
TOKEN FIXED 9 "'SPLIT'"
1895 CONSTRAINT _HOSTID = "\symm_host\"
CONSTRAINT ?RemSplitSent:_TOKEN5
DESTROY RemSplitSent:_TOKEN5
SET bcv_groupid = "\_TOKEN5 {} 1\"
ACTION EVENT-REPORT \

1900 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Remote_BCV_All_Split\_bcv_groupid\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=yellow|Message=_
1905 MESSAGE\"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=yellow|Message=_
MESSAGE\"
ACTION EVENT-REPORT
1910 "TYPE=AC|CLASS=\bcv_groupid\_RBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE\"
DESTROY RemSplitSent:bcv_groupid
ACTION EVENT-REPORT \

1915 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RE
MOTE COPY COMPLETE \bcv_groupid\"
ACTION WAIT 2 SECONDS COMMAND "CLEAN UP \bcv_groupid\"
ACTION EVENT-REPORT \
```


1920 "TYPE=AL|CLASS=Host|INSTANCE=\RC_In_Progress:bcv_groupid\|APPL=RemoteCopy|S
EV=Informational|ALARMID=RC_Complete|" \
"ALARMQUAL=\bcv_groupid\.\RC_In_Progress:bcv_groupid\._DT { }
2\|HELP=RemoteCopy/RC_Complete|TEXT=Remote Copy complete " \
"for disk group \bcv_groupid\ on node \RC_In_Progress:bcv_groupid\
1925 DESTROY RC_In_Progress:bcv_groupid
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitDone_1
|TEXT=_MESSAGE\
END
1930
/* Patterns for group "RC_Comp" */

DEFINE "RC_Comp" 1
MESSAGE "*30\REMOTE COPY COMPLETE*1\ <diskgroup>"
1935 /* ----1----*2-*----3-----*-----4---- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 2 "COPY"
TOKEN MASKED 3 "COMPLETE*1\
1940 TOKEN MASKED 1 "*30\REMOTE"
CONSTRAINT _HOSTID = \symm_host\
ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN4\|COMMAND=REM
OTE COPY COMPLETE _TOKEN4\
1945 ACTION COMMAND "CLEAN UP _NEGTOKEN1"
ACTION EVENT-REPORT \

"TYPE=AL|CLASS=Host|INSTANCE=\RC_In_Progress:_TOKEN4\|APPL=RemoteCopy|SEV
=Informational|ALARMID=RC_Complete|" \
1950 "ALARMQUAL=_TOKEN4\.\RC_In_Progress:_TOKEN4\._DT { }
2\|HELP=RemoteCopy/RC_Complete|TEXT=Remote Copy complete for disk " \
"group _TOKEN4\ on node \RC_In_Progress:_TOKEN4\
DESTROY RC_In_Progress:_TOKEN4
ACTION EVENT-REPORT
1955 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC_Comp_1|TE
XT=_MESSAGE\
END

/* Patterns for group "CleanUp" */
1960
DEFINE "CleanUp" 1
MESSAGE "*30\CLEAN UP <diskgroup> [FAIL]"
/* ----1----*2-*----3-----*--4--- */
TYPE ANY-SENDER OTHER VARIABLE-LENGTH
1965 PRIORITY 128
TOKEN KEYWORD 2 "UP"

TOKEN MASKED 1 "*30\CLEAN"
CONSTRAINT _HOSTID = \symm_host\
SET x = "_TOKEN3\
1970 SET y = "_TOKEN3\
DESTROY RC_In_Progress:x
DESTROY RemVerifySplit:x
DESTROY LocVerifyEst:x
DESTROY LocSplitSent:x
1975 DESTROY RDF_In_Progress:x
DESTROY RDFSplitSent:x
DESTROY LocEstSent:x
DESTROY RemEstSent:x
DESTROY RemSplitSent:x
1980 DESTROY RC_In_Progress:y
DESTROY RemVerifySplit:y
DESTROY LocVerifyEst:y
DESTROY LocSplitSent:y
DESTROY RDF_In_Progress:y
1985 DESTROY RDFSplitSent:y
DESTROY LocEstSent:y
DESTROY RemEstSent:y
DESTROY RemSplitSent:y
ACTION COMMAND "CHECK VARS"
1990 IF _TOKENS = 3
ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=_TOKEN3_M2|INSTANCE=_TOKEN3\
ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=_TOKEN3_LL|INSTANCE=_TOKEN3\
1995 ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=_TOKEN3_LBCV|INSTANCE=_TOKEN3\
ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=_TOKEN3_RDFL|INSTANCE=_TOKEN3\
ACTION WAIT 30 SECONDS EVENT-REPORT
2000 "TYPE=DE|CLASS=_TOKEN3_R2|INSTANCE=_TOKEN3\
ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=_TOKEN3_RL|INSTANCE=_TOKEN3\
ACTION WAIT 30 SECONDS EVENT-REPORT
"TYPE=DE|CLASS=_TOKEN3_RBCV|INSTANCE=_TOKEN3\
2005 ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CleanUp_1|TEX
T=_MESSAGE\
END
2010
DEFINE "CleanUp" 2
MESSAGE "RESET LOCK*1\ <lock_name>|ALL"
TYPE ANY-SENDER OTHER
PRIORITY 128

```
2015  TOKEN KEYWORD 1 "RESET"
      TOKEN MASKED 2 "LOCK\*1\"
      CONSTRAINT _HOSTID = \symm_host\
      IF _TOKEN3 = "ALL"
2020      RESET Command_Lock
      RESET PAUSEIO_Lock
      ELSEIF _TOKEN3 = "COMMAND"
      RESET Command_Lock
      ELSEIF _TOKEN3 = "PAUSEIO"
      RESET PAUSEIO_Lock
2025  ENDIF
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Cleanup_2|TEX
      T=\ MESSAGE\"
      END
2030
      /* Patterns for group "CheckVars" */

      DEFINE "CheckVars" 1
      MESSAGE "\*30\CHECK VARS"
2035  /* ----1-----*--2-- */
      TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 2 "VARS"
      TOKEN MASKED 1 "\*30\CHECK"
2040  CONSTRAINT _HOSTID = \symm_host\
      ACTION EVENT-REPORT \

      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
      T=Var bcv_groupid:  +\bcv_groupid\+"
2045  ACTION EVENT-REPORT \

      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
      T=Var cmd:  +\cmd\+"
      ACTION EVENT-REPORT \
2050
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
      T=Var Command_Lock:  "\
      "+\Command_Lock\+"
      ACTION EVENT-REPORT \
2055
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
      T=Var PAUSEIO_Lock:  "\
      "+\PAUSEIO_Lock\+"
      ACTION EVENT-REPORT \
2060
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
      T=Group Flash_Queue:  "\
```

"+\Flash_Queue:_ALL\+"
ACTION EVENT-REPORT \

2065

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group Immediate_Queue: " \
"+\Immediate_Queue:_ALL\+"
ACTION EVENT-REPORT \

2070

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group Priority_Queue: " \
"+\Priority_Queue:_ALL\+"
ACTION EVENT-REPORT \

2075

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group Routine_Queue: " \
"+\Routine_Queue:_ALL\+"
ACTION EVENT-REPORT \

2080

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group GroupNode: +\GroupNode:_ALL\+"
ACTION EVENT-REPORT \

2085

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var IX_pass: +\IX_pass\+"
ACTION EVENT-REPORT \

2090

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var IX_stop_diskio: +\IX_stop_diskio\+"
ACTION EVENT-REPORT \

2095

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var LogName: +\LogName\+"
ACTION EVENT-REPORT \

2100

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Var node: +\node\+"
ACTION EVENT-REPORT \

2105

"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RemVerifySplit: " \
"+\RemVerifySplit:_ALL\+"
ACTION EVENT-REPORT \

2110 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group LocVerifyEst: " \
"+\LocVerifyEst:_ALL\+"
ACTION EVENT-REPORT \
2115 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group LocSplitSent: " \
"+\LocSplitSent:_ALL\+"
ACTION EVENT-REPORT \
2120 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RDF_In_Progress: " \
"+\RDF_In_Progress:_ALL\+"
ACTION EVENT-REPORT \
2125 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RDFSplitSent: " \
"+\RDFSplitSent:_ALL\+"
ACTION EVENT-REPORT \
2130 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group LocEstSent: " \
"+\LocEstSent:_ALL\+"
ACTION EVENT-REPORT \
2135 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RemEstSent: " \
"+\RemEstSent:_ALL\+"
ACTION EVENT-REPORT \
2140 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RemSplitSent: " \
"+\RemSplitSent:_ALL\+"
ACTION EVENT-REPORT \
2145 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=_DBNAME\|TEX
T=Group RC_In_Progress: " \
"+\RC_In_Progress:_ALL\+"
ACTION EVENT-REPORT
2150 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CheckVars_1|TE
XT=_MESSAGE\
END

/* Patterns for group "login" */
2155 DEFINE "login" 1
MESSAGE "login: (other stuff maybe)"

/* --1---*--2---*--3---*--4--- */
TYPE ANY-SENDER OTHER VARIABLE-LENGTH
PRIORITY 128
2160 TOKEN KEYWORD 1 "LOGIN:"
CONSTRAINT _HOSTID = "\symm_host\
ACTION COMMAND "login"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_1|TEXT=_
2165 MESSAGE\
END

DEFINE "login" 2
MESSAGE "password:"
2170 /* ----1---- */
TYPE ANY-SENDER OTHER
PRIORITY 127
TOKEN KEYWORD 1 "PASSWORD:"
CONSTRAINT _HOSTID = "\symm_host\
2175 ACTION PASSWORD "password"
ACTION COMMAND WAIT 1 SECONDS "prompt \$N:\\$G\$_"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_2|TEXT=_
MESSAGE\
2180 END